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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/035,231

01/04/2002

Satoshi Yashiki

P20709

3115

7055

7590

11/30/2005

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EXAMINER

BENGZON, GREG C

ART UNIT

PAPER NUMBER

2144

DATE MAILED: 11/30/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/035,231

Applicant(s)

YASHIKI, SATOSHI

Examiner

Greg Bengzon

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 19 October 2005.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 13-26 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 13-26 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date 20051012
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____

DETAILED ACTION

This application has been examined. Claims 1-12 have been cancelled. Claims 13-26 are pending.

Continued Examination Under 37 CFR 1.114

A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 10/19/2005 has been entered.

Priority

The effective date of the subject matter in the claims in this application is January 10, 2001.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the

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invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 13-18, 20-25 are rejected under 35 U.S.C. 103(a) as being unpatentable over Hayashi (US Patent 6862114) in view of Saito (US Patent 6128101).

Hayashi disclosed (re. Claim 13) a communicator configured to receive mail to which a plurality of pages of image data are attached; (Hayashi – Figure 6A-6B, Column Lines 40-45, Column 16 Lines 60-65, Column 17 Lines 15-30) a memory configured to store the plurality of pages of the image data attached to the received mail; (Hayashi – Column 2 Lines 55-65) a controller configured to determine whether the memory overflows during the reception of the mail, to stop receiving the mail when it is determined that the memory overflows, (Hayashi - Column 11 Lines 40-45) and to store, in the memory, a predetermined page of the image data attached to the mail, (Hayashi – Column 3 Lines 1-10) when the mail is re-received after the stop of receiving the mail, the predetermined page of the image data not being stored in the memory when the mail was previously received. (Hayashi – Figure 4B, Column 3 Lines 10-25, Column 4 Lines 20-25, Column 16 Lines 10-35)

However Hayashi did not disclose (re. Claim 13) a receiving Internet facsimile apparatus connectable to a mail server via a network; (re. Claim 13) the predetermined page of the image data not including one of the plurality of pages of the image data being previously received from the mail server.

Saito disclosed (re. Claim 13) a receiving Internet facsimile apparatus connectable to a mail server via a network (Saito – Column 2 Lines 40-45); (re. Claim 13) the predetermined page of the image data not including one of the plurality of pages of the image data being previously received from the mail server (Saito – Column 7 Lines 5-15).

Hayashi and Saito are analogous art because they present concepts and practices regarding data transmission recovery and restart procedures. (Hayashi – Column 3 Lines 1-10, Saito – Column1 Lines 45-50) At the time of the invention it would have been obvious to combine the teachings of Saito into the apparatus and method of Hayashi. The motivation for said combination would have been, as Saito suggests (Saito – Column 1 Lines 45-50), to distinguish email that has not been processed and store said email for subsequent re-transmission, in order to overcome limitations on facsimile devices with limited storage capacity.

Hayashi disclosed (re. Claim 14) wherein, when it is determined that the memory overflows, the controller notifies, to a user of a transmitting apparatus, the transmitting apparatus transmitting the mail to the receiving facsimile apparatus, that the memory of the receiving Internet facsimile apparatus overflows. (Hayashi – Figure 10-11, Column 3 Lines 25-45)

Hayashi disclosed (re. Claim 15) a printer configured to print data, wherein, when the printer prints the plurality of the pages of the image data, (Hayashi – Column 5 Lines 20-30) the controller erases, from the memory, the plurality of the pages of the image data. (Hayashi – Column 4 Lines 40-55)

Hayashi disclosed (re. Claim 16) wherein the controller determines a received last page of the image data, the received last page of the image data being stored in the memory before the memory overflows, (Hayashi – Column 4 Lines 15-25, Column 12 Lines 35-40) determines that a page received after the received last page of the image data is the predetermined page of the image data, and stores the predetermined page of the image data in the memory, (Hayashi – Column 13 Lines 50-65) when the mail is re-received from the mail server after the stop of receiving the mail, the predetermined page of the image data not being stored in the memory when the e-mail was previously received from the mail server.

Hayashi disclosed (re. Claim 17) wherein the memory stores a last page number, (Hayashi – Column 15 Lines 20-35) the last page number indicating a last page of the image data stored in the memory when the receiving the mail was stopped, and the controller determines that a page of the image data received after the page indicated by the last page number is the predetermined page of the image data, (Hayashi – Column 15 Lines 20-35) and stores the predetermined page of the image data in the memory,

when the mail is re-received from the mail server after the stop of receiving the mail, the predetermined page of the image data not being stored in the memory when the e-mail was previously received (Hayashi – Column 16 Lines 10-35)

Hayashi disclosed (re. Claim 18) wherein the memory stores a number of pages of the image data stored in the memory when the receiving the mail was stopped, (Hayashi – Column 15 Lines 20-35) and the controller determines the predetermined page of the image data, based on the number of the pages of the image data stored in the memory, and stores the predetermined page of the image data in the memory, (Hayashi – Column 15 Lines 20-35) when the mail is re-received after the stop of receiving the mail, the predetermined page of the image data not being stored in the memory when the mail was previously received.

Claims 20-25 are rejected on the same basis as Claims 13-18.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the

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invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 19 and 26 are rejected under 35 U.S.C. 103(a) as being unpatentable over Hayashi (US Patent 6862114) in view of Saito (US Patent 6128101), further in view of Yoshida et al. (US Patent 5031179), hereinafter referred to as Yoshida.

The combination of Hayashi and Saito disclosed a system that stores the number of pages received before a transmission failure or memory overflow condition is detected. However the combination of Hayashi and Saito did not disclose (re. Claim 19 and 26) storing the file size that is received before a transmission failure or memory overflow condition and detected, and using said file size to determine required amount of re-transmission data. Hayashi makes an effort to reduce the waste of resources and improve performance for multimedia content handling and reproduction systems during cases of transmission errors by marking pages as 'complete' or 're-transmit'. (Column 2 Lines 5-10) The Examiner notes that while text documents (or pages) are relatively small in size, image files are relatively large and take longer to transmit and reproduce. Hayashi would have discovered that image files continue to grow in size as image capture technology improves, and marking pages as 'complete' would no longer provide the improved performance that Hayashi was seeking. Thus Hayashi would have been motivated to search for and implement a method for a more granular level of marking data as 'complete' or 're-transmit' so that even if only one half of the image page was received the system would still be able to differentiate between 'complete' and 're-

transmit' portions.

Yoshida discloses a communications method for sending documents via facsimile apparatus that ascertains an amount of error data, (Yoshida – Column 19 Lines 40-45) discriminates between correctly received data and error data, (Yoshida – Column 16 Lines 35-40) and remembers number of bytes of data that have been transferred and received. (Yoshida – Column 19 Lines 40-45) Yoshida discloses of retransmitting only the error data when transmission errors are detected. (Yoshida – Column 21 Lines 60-65)

Hayashi, Saito and Yoshida are analogous art because they present concepts and practices regarding data transmission recovery and restart procedures. (Hayashi – Column 3 Lines 1-10, Yoshida – Column 4 Lines 25-35) At the time of the invention it would have been obvious to combine the teachings of Yoshida into the combined apparatus and method of Hayashi and Saito. The said combination would enable the combined apparatus and method of Hayashi and Saito to 1) enable a received data size memorizing section that, when the memory overflows, stores size of the received email data, and 2) read the received data size from said received data size memorizing section, then stores the remaining email data corresponding to the size of the data after the read data size, in the memory. The motivation for doing so would be, as Yoshida suggests (Yoshida - Column 3 Lines 5-10), in order that the transmitter can determine

whether to continue retransmitting a selected portion of data or discontinue retransmission and proceed with transmission of the next portion of data.

The combination of Hayashi, Saito and Yoshida disclosed (re. Claim 19) wherein the memory stores a data amount of the image data (Yoshida – Column 19 Lines 40-45, Column 23 Lines 20-25), stored in the memory when the receiving the e-mail was stopped, (Hayashi – Column 15 Lines 20-35) and the controller determines the predetermined page of the image data, based on the data amount of the image data stored in the memory, (Hayashi – Column 15 Lines 20-35) and stores the predetermined page of the image data in the memory, when the e-mail is re-received from the mail server after the stop of receiving the e-mail, the predetermined page of the image data not being stored in the memory when the e-mail was previously received from the mail server. (Hayashi - Column 13 Lines 55-65)

The combination of Hayashi, Saito and Yoshida disclosed (re. Claim 26) storing, in the memory, a data amount of the image data (Yoshida – Column 19 Lines 40-45, Column 23 Lines 20-25), stored in the memory when the receiving the e-mail was stopped; (Hayashi – Column 15 Lines 20-35) determining the predetermined page of the image data, based on the data amount of the image data stored in the memory, (Hayashi – Column 15 Lines 20-35) when the e-mail is re-received from the mail server after the stop of receiving the e-mail; and storing the predetermined page of the image

data in the memory, (Hayashi – Column 15 Lines 20-35) the predetermined page of the image data not being stored in the memory when the e-mail was previously received from the mail server. (Hayashi - Column 13 Lines 55-65)

Response to Arguments

Applicant's arguments have been fully considered but they are not persuasive.

The Applicant presents the following argument(s) [in italics]:

HAYASHI does not disclose determining whether the memory overflows during the reception of the e-mail and stops receiving the e-mail when it is determined that the memory overflows...

The Examiner respectfully disagrees with the Applicant. In Column 11 Lines 40-45 Hayashi disclosed detecting a memory-full event.

Conclusion

Examiner's Note: Examiner has cited particular columns and line numbers in the references applied to the claims above for the convenience of the applicant.

Although the specified citations are representative of the teachings of the art and are applied to specific limitations within the individual claim, other passages and figures may apply as well. It is respectfully requested from the applicant in preparing

responses, to fully consider the references in entirety as potentially teaching all or part of the claimed invention, as well as the context of the passage as taught by the prior art or disclosed by the Examiner.

In the case of amending the claimed invention, Applicant is respectfully requested to indicate the portion(s) of the specification which dictate(s) the structure relied on for proper interpretation and also to verify and ascertain the metes and bounds of the claimed invention.

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

US 6674541 B1 Kamiyama; Hideki et al. - data accumulator and the output unit temporarily accumulate the facsimile data based on control in the controller.

US 6433893 B1 Murayama; Masahiro - a document terminated by error due to communication error during the reception is retransmitted starting from the error page to complete the document

US 5535015 A Yoshida; Takehiro - if an error is produced in the course of communication, information of an original (all pages of which have been transmitted) may not be retransmitted, and transmission may be started from information of the leading page of an original which has not yet been completely transmitted

US 6600750 B1 Joffe; Neil Raymond et al. - as the message is processed each

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time prior to another pass, the portion of the message that is successfully transmitted to its final fax destination is no longer included in the message as it travels through further passes.

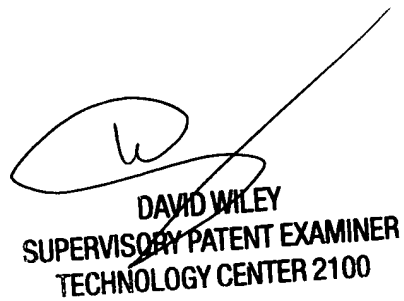
Any inquiry concerning this communication or earlier communications from the examiner should be directed to Greg Bengzon whose telephone number is (571) 272-3944. The examiner can normally be reached on Mon. thru Fri. 8 AM - 4:30 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David Wiley can be reached on (571)272-3923. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



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